```
#
#  File: .xttyrc
#  ARCS-1 mfrsr
#
#  $Log: .xttyrc,v $
#  Revision 1.5  1999/10/18 20:37:39  adammgr
#  Per Dick Eagan, corrections that seem to make the MFRSR
#  on Nauru work properly.
#
#  Revision 1.4  1999/10/15 20:39:50  adammgr
#  Changed longitude to negative value.
#
#  Revision 1.3  1999/10/14 23:36:27  adammgr
#  Changed lat/long to Nauru coordinates, not AIS
#
#  Revision 1.2  1999/09/08 13:00:59  adammgr
#  changed Manus to Nauru
#
#  Revision 1.1  1999/09/08 12:59:54  adammgr
#  Initial revision
#
#  Revision 0.10  1999/09/01 21:13:39  adammgr
#  Setup for Nauru EXCEPT that the lat and long are set for AIS
#
#  Revision 0.9  1998/03/03 19:46:21  d34863
#  Updated position
#
#  Revision 0.8  1998/03/03 18:34:46  d34863
#  Updated position
#
#  Revision 0.7  1997/11/14 01:33:01  adammgr
#  Reverted to original aaux value.
#
#  Revision 0.6  1997/11/12 01:33:16  adammgr
#  Changed to sample all chanels 24 hours per day.
#  Updated lat lon to current position.
#
#  Revision 0.5  1997/10/25 15:46:27  adammgr
#  Updated position
#
#  Revision 0.4  1997/10/25 15:35:45  adammgr
#  Updated position
#
#  Revision 0.3  1997/10/20 16:53:04  adammgr
#  Updated position
#
#  Revision 0.2  1997/07/14 19:55:45  eagan
#  Updated position
#
#  Revision 0.1  1997/05/22 13:02:37  eagan
#  Initial release.
#
#
# Location info
sitename = TWP-Nauru-mfrsr
latitude = -0.521
longitude =-166.916
```

```
# Force xtty to get the unit_id
# unit_id =

# Run in shadowband mode
flags = $20
numchannels = 7

# Channels to sample
daux = $00000000
aaux = $00000101

# 20-second sample, no averaging
sampling = 20
averaging = 1

# empty buffer and reset after polling
emptybuf = no

# Baudrates should we ever direct connect
inbuad = 9600
outbaud = 9600

# Communications timeout (sec)
timeout = 20

# Defaults for auxs and bps
# auxs = $01CF
# bps = $01CF


#RSR clock adjustment value
# See notes at end of file for setting the following
# uval = 0
#mindays = 3
mindrift = 5
# resettime = no
timeset = no
resetauthority = no

# Sequence of commands to execute
commands = "M 1, T 2, M $7FFF, S 0, H 0"

# counters ?
counters = $000000

# Dial-up stuff not needed
# pnone =
# retries =

# this stuff is important
passwd    = Langley!
supassword = Irradiance!

# To account for high lat
# bandangle = -50
```

```
#
# Notes for the clock reset logic:
#
# If there is a Uval specified in the defaults file then we will use only
# that.  Note that spicifying a Uval defeats automatic time keeping.  xtty
# will continue to track the drift and re-calculate what *it* thinks the
# Uval should be (making entries in the time_history file) but will not
# override a default Uval.  If the current RSR Uval is different than that
# in the defaults file, xtty will reset the unit with the new value (assuming
# it has permission via the "resettime = yes" directive in the defaults file).
#
# If no default Uval is specified then automatic time-keeping is enabled.
#
# In any event, a Uval will be calculated (even if it's not going to be used)
# based on the value of MinDays and MinDrift.  If MinDays is specified then
# no Uval calculation will be done until at least MinDays have elapsed since
# the last reset.  If no MinDays is specified in the defaults file, then it
# is not used in the decision making process.  If MinDrift is specified, then
# it's value (in seconds) is used to decide whether to re-calculate the Uval.
# Otherwise, a built-in MinDrift is used.  Here's the logic table:
#
#                                 MinDays
#
#                  not specified   not exceeded          exceeded
#  M               |-----------------------------------------------|
#  i    not specified | use built-in      | do nothing      | use built-in    |
#  n              | MinDrift  |           | MinDrift  |
#  D              |-----------------------------------------------|
#  r     not exceeded   |  do nothing     | do nothing      | do nothing      |
#  i              |-----------------------------------------------|
#  f      exceeded      | use MinDrift    | do nothing      | use MinDrift    |
#  t              |-----------------------------------------------|
#
# An important result of this is that if both MinDays and MinDrift are
# specified, both must be satisfied in order for a reset to occur.  If
# only MinDays is specified then the built-in MinDrift is used and will be
# overridden by MinDays, if exceeded.  Note that you cannot use MinDays to
# recalculate the Uval every x days.
```